

L 38156-66

ACC NR: AP6025644

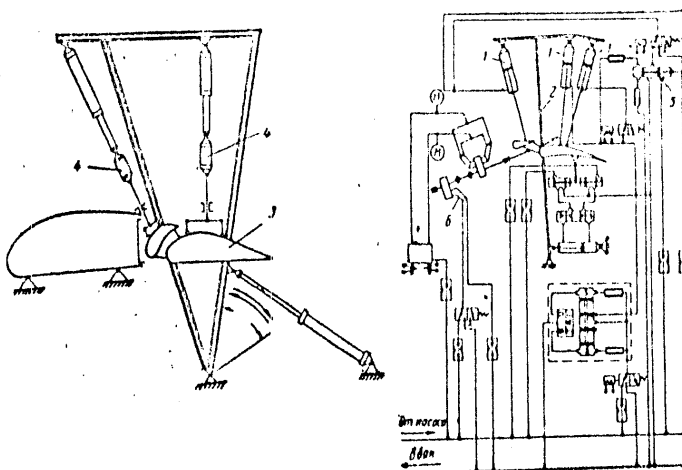


Fig. 1. Automatic device for fatigue tests of airplane flaps

- 1 - Loading cylinders;
- 2 - rocker; 3 - flap;
- 4 - strain dynamometers;
- 5 - slide valve;
- 6 - hydraulic motor.

shaft of which is connected to the flap drive shaft, is used as a master unit. For automatically synchronizing the loading of the flap's deflector, with a predetermined increase in the stress on the flap itself, a hydraulically controlled slide valve under a given spring compression force is connected into the hydraulic system of the device. Orig. art. has: 1 figure. [KT]

SUB CODE: Q1,13/ SUBM DATE: 24May65/ ATD PRESS: 5145
Card 2/2MLP

L 38156-66 EWT(d)/EWP(w)/EWP(v)/T-2/EWP(k)/EWP(h)/EWP(l) IJP(c) EM/NW

ACC NR: AP6025644

SOURCE CODE: UR/0413/66/000/013/0095/0095

INVENTOR: Bengus, G. Yu.; Litvak, V. I.; Muratov, V. V.; Yaremenko, V. A.; Grishchenko, V. T. 43

ORG: none

TITLE: Automatic device for airplane-flap fatigue tests. Class 42, No 183448

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 95

TOPIC TAGS: aircraft actuating equipment, aircraft maintenance, aircraft maintenance equipment, aircraft test

ABSTRACT: An Author Certificate has been issued for an automatic device for conducting fatigue tests of airplane flaps, which consists of a frame and strap system for producing loads, a hydraulic system with loading cylinders which act on the frame and strap system through strain dynamometers, and hydraulic aircraft-flap drives. To reproduce stresses corresponding to the flap-deflection angle and the flight regime, and for the maximum approximation of the experimental and operational power-loading conditions, the device has a movable rocker of truss design, on which the loading cylinders are mounted, and an axis of rotation which corresponds to the flap's axis of rotation. It is equipped with a hydraulic servo system, in which a stress dynamometer is used as a sensing element, and a feed-back transducer; a device consisting of a steel console gauge with glued-on strain gauges and a shaped cam, the

Card 1/2

UDC: 620.178.629.13.014.69

1. BRTSHECHENKO, V. S.
2. USSR (600)
4. Dust - Removal
7. New methods for dust filtration. Vest. mash. 32 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

GRISHCHENKO, V.M.

Making a powerful dust collector. Inventor. (U.S.S.R. Pat. 1,614,000)
Ag '64. (MIRA 18.1)

3. Brigadir montazhnikov Pen'zevskoye gosudarstvennoye VUZ.

GRISHCHENKO V.M.

GUREVICH, S.M.; GRISHCHENKO, V.M.

Automatic welding of thin chrome-manganese-silicon steel sheets.
Avtom.svar. 6 no.5:38-52 S-0 '53. (MLRA 7:11)

1. Institut elektrosvarki im. Ye.O.Patona Akademii nauk USSR.
(Steel--Welding)

KAZIMIROV, A.A.; GRISHCHENKO, V.M.

Semi-automatic welding of seams in river boat building. Avtom.svar. 6
no.2:53-56 Mr-Ap '53. (MLRA 7:5)

1. Institut elektrosvariki im. Ye.O.Patona Akademii nauk USSR.
(Electric welding) (Shipbuilding)

GRISHCHENKO, V.I., *dozent*

Changes in the fetal phonocardiorum during the treatment of late toxemia in pregnancy with phenothiazine preparations and magnesium sulfate. Akush. i gin. no.6:43-48 N-D '69.

(MIRA 17:52)

3. Iz kafedry akusherstva i ginekologii (nav. prof. I.F.Muravleva) peditricheskogo fakulteta Khar'kovskogo medicinskogo instituta i Khar'kovskogo nauchnoissledovatel'skogo instituta zhenskoy materinstva i detstva imeni N.K.Krupskoy (nauchnyy rukovoditel' prof. V.I. Konstantinov, direktor - kand. med. nauk A.I.Karbilov).

GRISHCHENKO, V.I. [Hryshchenko, V.I.], dotsent; LYASHENKO, M.M.

Some ballistocardiographic changes in hypertensive forms of
late pregnancy toxemias. Padiat. akush. ginek. no.3:49-52
'63 (MIRA 17:1)

1. Kafedra akusherstva i ginekologii pediatricheskogo fakul'teta (zav. - prof. V.F. Matveyeva [Matveieva, V.F.]) i kafedra gospi'tal'noy terapii vrachebnogo fakul'teta (zav. - prof. L.T. Malaya) Khar'kovskogo meditsinskogo instituta (rektor - dotsent B.A. Zadorozhnyy).

GRISHCHENKO, V.I., kand. med. nauk

Some ventrocardiographic changes in hypertensive forms of late pregnancy toxemia. *Russk. i gin. Zh.* no. 5: 6-11, 1964.

USSR 17:11

1. iz kafedry akuшерства i ginekologii (zav. - prof. V.P. Grigorenko), kafedry fakul'tetskoy i pospital'noy terapii (zav. - prof. I.I. Gerasimov) Kharkovskogo meditsinskogo instituta i Kharkovskogo nauchnoissledovatel'skogo instituta okhrany materinstva i detstva imeni Kropotkiy (nauchnyy rukovoditel' - prof. V.I. Konstantinov, dir. - kand. med. nauk A.I. Lomileva).

GRISHCHENKO, V.I., kand.med.nauk

Use of neurolytic agents in cases of severe protracted vomiting in pregnancy. Akush.i gin. 35 no.5:101-102 S-0 '59. (MIRA 13:2)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva imeni N.K. Krupskoy (direktor - kand.med.nauk A.I. Kornilova, nauchnyy rukovoditel' - prof. V.I. Konstantinov).
(HYPEREMESIS GRAVIDARUM, therapy)
(HIBERNATION, ARTIFICIAL)

GRISHCHENKO, V.I. [Hryshchenko, V.I.], kand.med.nauk

Stimulation of labor with pachycarpine injected intravenously and
through the posterior fornix. Ped., akush. i gin. 20 no.5:38-42
'58. (MIRA 14:1)

1. Otdel akusherstva i ginekologii (zav. - kand.med.nauk L.T. Volkova)
Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany materinstva
i detstva im. N.K. Krupskoy (direktor - kand.med.nauk O.I. Kornilov,
nauchnyy rukovoditel' - prof. V.I. Konstantinov).
(PACHYCARRPINE) (LABOR (OBSTETRICS))

GRISHCHENKO, V.I. [Hryshchenko, V.I.], kand.med.nauk

Functional disturbances of the vascular system in women as related to blood loss during the third period of labor. Ped., akush. i gin. 19 no.6:48-53 '57. (MIRA 13:1)

1. Otdel akusherstva i ginekologii (zav. - kand.med.nauk L.T. Volkova)
Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany materinstva
i detstva im. N.K. Krupskoy (nauchnyy rukovoditel' - prof. V.I. Konstan-
tinov, direktor - kand.med.nauk O.I. Kornilova).
(BLOOD VESSELS) (LABOR (OBSTETRICS))

GRISHCHENKO, V.I.

Oxytocic function of the blood serum in women during labor.
Akush. i gin. no5:10-14 S-0 '55. (MLRA 9:1)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany
materinstva i mladenchestva imeni N.K. Krupskoy (dir. A.I.
Kornilova, nauchnyy rukovoditel'-prof. V.I. Konstantinov)

(LABOR, blood in
oxytocic activity of serum)

(BLOOD
oxytocic activity of serum in labor)

DELIMARSKIY, Yu.K., akademik; GORODYSKIY, A.V.; GRISHCHENKO, V.F.

Cathode liberation of carbon from molten carbonates. Dokl.
AN SSSR 156 no. 3:650-651 '64. (MIRA 17:5)

1. Inst. 'tut obshchey i neorganicheskoy khimii AN UkrSSSR.
2. Ak. UkrSSSR (for Delimarskiy).

DELIMARSKIY, Yu.K.; GROSCHENKO, V.P.

Use of a platinum electrode in the polarographic study of complex formation in melts. Ukr.khim.zhur. 29 no.5:502-507 143.

Potentiometric study of chloride complexes of lead, cadmium, and nickel in a fused eutectic composition $\text{KNO}_3 - \text{NaNO}_3$. 507-511 (MIR. 10:9)

1. Institut khimicheskoy fiziki i khimicheskoy khimii AN UkrSSR.

DELIMARSKIY, Yu.K.; GRISHCHENKO, V.F.; GORODYSKIY, A.V.

Shift of polarograms during complex formation. Ukr.khim.zhurn. 29 no.5:
497-502 '63. (MIRA 16:9)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

GORODYSKIY, A.V.; DELIMARSKIY, Yu.K., akademik; GRISHCHENKO, V.F.

Catalytic waves in molten electrolytes. Dokl. AN SSSR 150
no.3:578-579 My '63. (MIRA 16:6)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
2. AN UkrSSR (for Delimarskiy).
(Fused salts) (Polarography)
(Catalysis)

GOLOVINSKIY, A.V. [Golovinskiy, A.V.]; PIRUV, A.V.; GILDEMAN, V.A. [Gildeman, V.A.].

Method of reproducing stationary polarography in salts. Dep. At. Sci.
no.3:377-3.00 '63. (RSC 37:10)

1. Institut khimicheskoy i yadernoy fiziki im. Khlopatenko
akademika AN UkrSSR Yu.M. Zelenskiy (Belinetskiy, A.V.).

DELIMARSKIY, Yu.K.; GRISHCHENKO, V.F.

Capacitance of the double layer in binary melts CdCl_2 - KCl and CdCl_2 - NaCl . Zhur.neorg.khim. 8 no.4:1016-1017 Ap '63. (MIRA 16:3)
(Fused salts--Electric properties)

DELIMARSKIY, Yu.K., akademik; GRISHCHENKO, V.F.; GORODYSKIY, A.V.

Capacity of a double layer in the binary $PbCl_2$ - KCl melt. Dokl.
AN SSSR 144 no.2:384-385 My '62. (MIRA 15:5)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
2. AN USSR (for Delimarskiy).
(Fused salts) (Electrochemistry)

DELTARSKIY, Yu.K.; GRISHCHENKO, V.F.

New method of the physicochemical analysis of binary melts.
Zhur.neorg.khim. 7 no.9:2275-2277 S '62. (MIRA 17:9)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
(Fused salts)

DELIMARSKIY, Yu. K.; KOLOTIY, A. A.; GRISHCHENKO, V. F.

Electrode function of platinum in fused salts. Part 1: Potassium and chlorine functions and the eigenfunction of platinum. Ukr. khim. zhur. 27 no.6:760-766 '61. (MIRA 14:11)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Electrodes, Platinum)
(Salts)

GRISHCHENKO, S.S.

KOGAN, M.M., inzh.; GRISHCHENKO, S.S., inzh.

Conference on problems of shipbuilding technology. Sudostroenie
23 no.8:71-72 Ag '57. (MIRA 10:11)
(Shipbuilding)

GRISHCHENKO, S.S.; FEDOROV, N.A.; FROLOV, P.V., inzhener, redaktor;
~~PETROV, N.M.~~, tekhnicheskii redaktor.

[How a ship is built] Kak stroitsia sudno. Leningrad, Gos.
soiuznoe izd-vo sudostroit.promyshl., 1954. 81 p. (MLRa 8:11)
(Shipbuilding)

MAMONTOV, V.P.; GRISHCHENKO, S.S., redaktor; MINYAYEVA, G.A., redaktor;
KRICHEVSKAYA, L.M., tekhnicheskiy redaktor

[Organizing the production of shipyard shops for the "continuous-position" system of shipbuilding] Organizatsiya proizvodstva stapel'nogo tsekha pri potочно-pozitsionnom metode postroiki sudov. [Leningrad] Gos. izd-vo sudostroit. lit-ry, 1952. 126 p. [Microfilm]. (MLRA 8:7)
(Shipbuilding)

GRISHCHENKO, S.K. (Chelyabinsk); BORTSOV, P.I. (Chelyabinsk)

Improving the operative efficiency of the VL8 electric locomotives. Zhel. dor. transp. 45 no.4:74-77 Ap '63.
(MIRA 16:4)

1. Glavnyy inzh. Yuzhno-Ural'skoy dorogi (for Grishchenko).
2. Zamestitel' nachal'nika sluzhby lokomotivnogo khozyaystva Yuzhno-Ural'skoy dorogi (for Bortsov).
(Electric locomotives)

GRISHCHENKO, S.F.

Место рождения: Украина, село Славгород, 1918 г.

Homemade revolution counter. Politekh. obuch. no.8:89-90 Ag '58.
(MIRA 11:9)

1 Srednyaya shkola Chasov-Yar, Artemovskiy rayon, Stalinskaya obl.
(Speed indicators)

CHIDONIKO, A.

Draw

Steamer - straw with iron on back, 10000, 10000, 10000.

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953, Unclassified.

* L 04718-67

ACC NR: AP6027429

showed the latter to be suitable for determining diffusion coefficients for short term (3-10 min) heating. The effect of variable heating¹ during diffusion welding on the diffusion parameters in Ti and Fe² was studied experimentally and with computer calculations. It was found that the temperature variation in diffusion welding has insignificant effects on diffusion parameters, hence diffusion coefficients obtained under isothermal conditions may be used. Orig. art. has: 2 tables, 12 equations and 1 figure.

SUB CODE: 13, 20/ SUBM DATE: 16Mar66/ ORIG REF: 004/ OTH REF: 001

07/

Joining of dissimilar metals '8

Card 2/2

L 04718-67 EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k) 15P(c) JD/WM

ACC NR: AP6027429

SOURCE CODE: UR/0125/66/000/007/0008/0011

AUTHOR: Gretskiy, Yu. Ya.; Sterenbogen, Yu. A.; Grishchenko, R. N.;
Kharchenko, G. K.; Larikov, L. N.; Fal'chenko, V. M.; Kumok, L. M. 44
41
B

ORG: [Gretskiy; Sterenbogen; Grishchenko; Kharchenko] Institute of
Electric Welding im. Ye. O. Patona AN UkrSSR (Institute elektrosvarki);
[Larikov; Fal'chenko; Kumok] Institute of Metal Physics AN UkrSSR (Institut
metallofiziki AN UkrSSR)

TITLE: Investigation of diffusion under variable heating conditions
 during diffusion welding 4

SOURCE: Avtomaticheskaya svarka, no. 7, 1966, 8-11

TOPIC TAGS: heat diffusion, diffusion welding, tracer study, titanium,
 iron

ABSTRACT: The possibility of using radioactive isotopes to determine
 the effect of variable short term heating on diffusion during diffusion
 welding was examined. Studies were conducted on titanium VT1 using
 cobalt-60 at welding temperatures in the range of 920-970°C. Evaluation
 of the autoradiographic method and of the method of removing layers of
 samples parallel to the plane of the weld and measuring their activity

Card 1/2

UDC: 621.791:536.12:532.72

VISHNEVSKIY, Stanislav Yevgen'yevich; GRISHCHENKO, P.I., redaktor
NIKITIN, G.M., kand. tekhn. nauk, red.

[Methods of measuring the resistance of insulation on ships
of a river fleet] Metody izmereniia soprotivleniia izolatsii
na sudakh rechnogo flota. Moskva, Recheni transport, 1963.
44 p. (MIRA 18-1)

GRISHCHENKO, R.D., Captain 1st grade

In the rank of the Guard. Mer. sbor. 48 no.4:37-40
Ap '65. (MIRA 16:6)

GRISHCHENKO, P.A.; PRYAKHIN, I.P.; GAL'TSOV, V.I.

Differentiated cultivation practices on virgin lands. Zemledelie
4 no.5:117-119 My '56. (MLRA 9:8)

1. Altayskiy sovkhov, Kustanayskaya oblast'.
(Kazakhstan--Agriculture)

GRISHCHENKO, O.A., dots., otv. red.; GAMBURG, A.M., red.;
DIDKOVSKAYA, S.P., red.; LISICHENKO, V.K., red.;
SAPOZHNIKOV, Yu.S., red.; KONTSEVICH, I.A., red.;
NARINSKAYA, A.L., tekhn. red.

[Studies of the forensic medical experts of the Ukraine]
Trudy sudebnomeditsinskikh ekspertov Ukrainy. Kiev, Gos-
medizdat USSR, 1962. 293 p. (MIRA 16:7)

1. Glavnyy sudebnomeditsinskiy ekspert Ministerstva zdravo-
okhraneniya Ukr.SSR (for Grishchenko).
(UKRAINE—MEDICAL JURISPRUDENCE)

BAZARENKO, V. V.; GRICHENKO, I. I.; PEN'KOV, V. Ya.; POKH, V. P.;
1964, V. 15.

Efficiency of the group bonus wage system for the stope workers
in stopes, Nauch. trudy KNIIT no. 1434/1964, 1964.

Ways of improving the stope workers productivity in stope workers
Basic stopes. Ibid.:455-464 (MIRA 18:4)

NOVIKOV, B.G. [Novykov, B.H.]; MARTYNOVA, O.G. [Martynova, O.H.];
LYUBARSKAYA, M.O. [Liubars'ka, M.O.]; GRISHCHENKO, H.M.
[Hryshchenko, H.M.]; LAPSHINA, N.Yu. [Lapshyna, N.Yu.]

Development and function of the thyroid gland and the anterior
lobe of the hypophysis in the embryonic period of life of
various poultry breeds. Visnyk Kyiv.un. no. 3. Ser. biol.
no. 1:97-107 '60. (MIRA 16:4)
(THYROID GLAND) (PITUITARY BODY) (EMBRYOLOGY--BIRDS)

ACCESSION NR: AT4016402

sentences the intelligent expressions are selected. Orig. art. has: 3 formulas.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 06Jan64

ENCL: 00

SUB CODE: CP

NO REF SOV: 000

OTHER: 000

Card

3/3

ACCESSION NR: AT4016402

can be composed of the words of the prescribed set according to scheme (1) or a certain "object" capable of determining whether the sentence composed according to the scheme does or does not make sense. The authors' task was to construct an algorithm which, after processing a certain body of randomly selected sentences and establishing the pairwise correlations between the words of the initial set, could, in the first place, establish with a certain probability the intelligibility of formerly unencountered sentences; secondly, the algorithm was to reduce the possibility of incorrect answers as the number of processed sentences increases by making use of an estimation of the outcome of its work on each sentence and an estimation of the possibility of employing the list of all the intelligent sentences, and, thirdly, as the number of processed sentences increases, reduce the mean time in processing one sentence in comparison with the mean time necessary to review the list of all intelligible sentences. In order to realize the last two points, the principle of instruction with a "teacher" and the principle of self-instruction were used when formulating the algorithm. The authors describe in detail the development of the algorithm. Two stages are distinguished: 1) from the set of sentences which can be formed according to scheme (1) by using all the words of the initial group, (the number of which equals $nm(n^k + n + 1)$, where n , m and k are the number of initial substantives, verbs and prepositions, respectively), the smallest subset is selected which contains all the permissible sentences; 2) from the subset of all permissible sentences

Card 2/3

ACCESSION NR: AT4016402

S/3049/62/000/000/0019/0026

AUTHOR: Glushkov, V. M.; Grishchenko, N. M.; Stogniy, A. A.

TITLE: Algorithm for the recognition of intelligent sentences

SOURCE: Printsipy* postroyeniya samoobuchayushchikhsys sistem (Principles of construction of self-instructing systems). Sbornik materialov simpoziuma, 1961. Kiev, Gostekhizdat UkrSSR, 1962, 19-26

TOPIC TAGS: artificial intelligence, syntax, data recognition, learning, self-improving machine, learning algorithm, cybernetics

ABSTRACT: The problem of recognizing intelligent sentences of one particular type is formulated in the article. The authors consider a finite set of (Russian language) words (substantives, verbs and prepositions), from which sentences can be constructed according to the scheme:

$$c_1 c_2' (n, c_2)^*, \quad (1)$$

where c_1 is the subject substantive; c_2' is the predicate verb; n is the preposition; c_2 is the object substantive. Let there exist either a list of all the intelligent sentences which

Card 1/3

GRISHCHENKO, N.M. (Kiyev)

Specific features of coding and programming the algorithm of morphological analysis for the Russian language on the "Kiev" electronic computer. Probl. kib. no.6:289-297 '61. (MIRA 15:1)
(Russian language--Machine translating)
(Programming (Electronic computers))

GRISHCHENKO, N. M.; STOCHNY, A.A. and GLUSHKOV, V.M.

"Concerning One Algorithm in Teaching to Recognize Logical Problems."

Report submitted for the Symposium on Principles in the Design of
Self-Learning Systems, Kiev Ukr SSR, 5-9 May 1961

GRISHCHENKO, Nikita Minovich

(Sci Res Inst of Pedagogics of the Ministry of Culture UkSSR) -
Academic degree of Doctor of Pedagogical Sciences, based on his
defense, 28 March 1955, in the Council of Moscow State Pedagogical
Inst imeni Lenin, of his dissertation entitled: "Schools in the
UkSSR between the 18th and 19th Congresses of the CPSU (1939-
1952)."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 1, 7 Jan 56, Byulleten' MVO SSSR, Uncl.
JPRS/NY-548

USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95699.

Abstract: Examples of determinations are cited. The simplicity of the method permits its use in controlled soil experiments for moisture capacity in the agrochemical and soil science laboratories of machine tractor stations. -- S. A. Nikitin.

USER / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biel., No 21, 1958, 95699.

Abstract: solutions in the capillaries are transferred to the direction of the ends of the capillary. The position of the menisci of the solution in the capillaries is periodically observed under the microscope with an ocular micrometer. The basic problem of the investigation consists of the selection of such standard solutions in the capillaries as would be isotonic with the solution in the vessel or with the solution of the soil investigated; then, according to their determined concentrations, to measure the osmotic pressure of the solution investigated and the vapor expansion over it, which is necessary for calculating the evaporation rate of the water.

Card 3/4

USSR / Soil Science. Physical and Chemical Properties of Soils. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95699.

Abstract: pressure and vapor expansion are placed. The capillaries are fastened by plastilene to the inside surface of the vessel cover. In the case of isotonic solutions in the vessel and capillaries, the menisci of the solutions in the capillaries do not change their position. If the solutions possess more vapor expansion in the capillaries than in the vessel, the water from the solutions in the capillaries evaporates and condenses over the solution or the soil in the vessel. If the solutions in the capillaries are found with less vapor expansion, the water from the solution in the vessel evaporates and condenses over the solution in the capillaries, in connection with which the menisci of the

Card 2/4

USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95699.

Author : Zolin, A. I.; Grigorenko, N. I.

Inst : Kharkov Agricultural Institute.

Title : Capillary Method of Determining Vapor Expansion
and Calculating the Evaporation Rate of Water
From the Soil.

Orig Pub: Zap. Khar'kovsk. s.-kh. in-ta, 1957, 14(51),
47-53.

Abstract: A method is described which consists of the following. The soil to be investigated is placed into a glass vessel with a diameter of 30-40 mm and depth of 12-15 mm, while, into capillaries with length 5-6 mm and diameter 0.3-0.7 mm, standard solutions of known concentrations, osmotic

Card 1/4

OF CHINESE, 1942, 1048, 111, 112.

Study of the conditions in the system of the
electric light source and the system of the
39 no. 1293 (1202) no. 111.

1. Frequency, 1000 Hz, 1000 Hz, 1000 Hz.
Submitted Nov. 10, 1961.

LEBEDEV, P.T.; USOVICH, A.T.; CHEPUROV, E.P., prof.; KAL'CHENKO, M.M.,
aspirant; MATUSEVICH, V.P., doktor veterin. nauk; STEN'KO, A.S.,
mladshiy nauchnyy sotrudnik; LAKHMYTKINA, A.N., aspirant;
GRISHCHENKO, N.F.; ORLOV, A.I., veterinarnyy vrach (Arkhangel'-
skaya obl.); PROSTYAKOV, A.P., kand. biolog. nauk; KOVYNDIKOV,
M.S., kand. veterin. nauk; ARIFDZHANOV, E.A., kand. veterin. nauk

Veterinary experiments. Veterinar'na 4. no.43/51-111 Ap '64.
(MIRA 17:8)

1. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut
(for Lebedev, Usevich). 2. Poltavskiy sel'skokhozyaystvennyy
institut (for Chepurov, Kal'chenko). 3. Ukrainskiy nauchno-
issledovatel'skiy institut zemledeliya (for Matusevich, Sten'ko,
Lakhmytkina). 4. Chernigovskaya oblastnaya veterinarnaya labora-
toriya (for Grishchenko). 5. Ukrainskiy nauchno-issledovatel's-
kiy institut eksperimental'noy veterinarii (for Prostyakov,
Fortushnyy, Kovyndikov). 6. Uzbekskiy nauchno-issledovatel'skiy
veterinarnyy institut (for Arifdzhanov).

SHVETSOV, A.A., dozent; LIZOVANOV, P.F.; GILBERT, D.C., M.F.

Case of acute poisoning by fumes of lime. Veterinaria 40 n. 6:
64. Apr 1962. (MIL. J. 62)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Shvetsov).
2. Glavnyy veterinarnyy vech (templevskoye oblastnoye uprav-
leniya proizvodstva i zarotora sel'skokhozyaystvennykh predpriyatiy
(for Lazorenko). 3. Direktor Chernigovskoy oblastnoy veterinarnoy
laboratorii (for Grishchenko).

L 16924-65

ACCESSION NR: AP5002735

extract by direct extraction with alkylene carbonates was demonstrated. The authors note that the high solubility of aromatic hydrocarbons and the low solubility of paraffin hydrocarbons in alkylene carbonates render the latter extremely effective for the selective isolation of aromatic hydrocarbons from crude oil. In view of the high dissolving power of the alkylene carbonates, the authors recommend that extractions with them be conducted at temperatures not exceeding 50-70°C. Orig. art. has 5 graphs, 1 table.

ASSOCIATION: VNII neftekhim (VNII petrochem)

SUBMITTED: 00

ENCL: 00

SUB CODE: GC, FP

NO REF SOV: 001

OTHER: 000

JPRS

Card 2/2

IT 16924-65 EWT(m)/EWT(c)/EWP(j) Po-4/Pr-4 RM

ACCESSION NR: AP5002735

S/0065/64/000/007/0031/0034 /

AUTHOR: Grishchenko, N. F.; Pokorskiy, V. N.

TITLE: Mutual solubility of alkylene carbonates and certain crude-oil hydrocarbons

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 7, 1964, 31-34

TOPIC TAGS: aromatic hydrocarbon, ethylene, propylene, carbonate, crude petroleum

ABSTRACT: The solubility of aromatic hydrocarbons in ethylene and propylene carbonates was studied in the light of the process of extraction of aromatic hydrocarbons from crude oil. Ethylene carbonate was found to dissolve 27% ortho-xylene and exhibit unlimited miscibility with benzene and toluene at 50°C. Propylene carbonate was entirely miscible with benzene, toluene, and xylene at room temperature. The mutual solubility of ethylene and propylene carbonates with certain paraffins (C₅ to C₁₆) was also studied, since paraffins make up the basic component of the crude oil used for extraction of aromatic hydrocarbons. At 50°C, ethylene carbonate dissolved no more than 2% paraffins, while propylene carbonate dissolved no more than 4%. The solubility of the alkylene carbonates in the paraffins at 50°C did not exceed 0.75%. The impossibility of producing a 100% benzene or toluene

Card 1/2

GRISHCHENKO, N.D.

New methods and equipment for the receiving and storing
of sugar beets. Sakh. prom. 33 no.8:10-11 Ag '59.
(MIRA 12:11)

1.Smelyanskiy sakharney zavod.
(Smela--Sugar beets--Storage) (Loading and unloading)

GRISHCHENKO, N.D.

Determining amount of dirt in beets by the method of the Central
Scientific Research Institute of the Sugar Industry. Sakh. prom.
32 no.8:57-59 Ag '58. (MIRA 11:9)

1. Smelyanskiy sakharney zavod.
(Sugar beets)

GRISHCHENKO, N.A., assistant

Determination of fundamental calculation parameters in planning
purification structures for lake and pond waters. Trudy Ural.
politekh.inst. no.85:39-42 '60. (MIRA 14:8)
(Water--Purification)

GRISHCHENKO, N.A.

RADTSIG, V.A.(Sverdlovsk); GRISHCHENKO, N.A. (Sverdlovsk)

Effect of forced pumping out of sediment on the operation of
clarifying tanks. Vod. i san. tekhn. no.1:12-13 Ja '57. (MLRA 10:3)
(Water--Purification)

1. The first step in the process of the

control of the process is the identification of the

1. The first step in the process of the

GRISHCHENKO, M.P.; GREBENCHUK, L.V.

Rare case of hypergalactia in a primipara. Akush. i gin. 40 no.2:
126 Mr-Apr '64. (MIRA 17:11)

1. Kafedra akusherstva i ginekologii lechebnogo fakul'teta (zav. -
prof. I.I. Grishchenko) Khar'kovskogo meditsinskogo instituta,
Khar'kovskaya oblastnaya klinicheskaya bol'nitsa (glavnyy vrach
V.A. Pizhankova) i 28-ye meditsinskoye ob'yedineniye (glavnyy vrach
O.M. Kozlova), Khar'kov.

GRISHCHENKO, M.P.

Result of the treatment of early pregnancy toxemias by hypnosis
under ambulatory and hospital conditions. Akush.i gin. 37 no.2:
98-99 F '61. (MIRA 14:3)

1. Iz zhenskoy konsul'tatsii 28-y bol'nitsy (glavnyy vrach
V.G. Yegorova) i 3-go rodil'nogo doma (glavnyy vrach V.M.
Marynov), Khar'kov.
(PREGNANCY, COMPLICATIONS OF) (HYPNOTISM—THERAPEUTIC USE)

GRISHCHENKO, M.P.; SHAYEVICH, A.B.

Spectrum analysis of the electrolytes used in zinc and nickel
plating baths. Izv.AN SSSR.Ser.fiz.19 no.2:203-204 Mr-Apr '55.
(Tartu--Spectrum analysis--Congresses)

Grishchenko, N. P.

1961. The spectrographic analysis of the elements
of steel and iron alloys. A. B. Shlevich and
N. P. Grishchenko. Report of Symposium "Sov.
Union Metallurgy and Metall. M. Metallurgizdat,
1965, 198-201. *Ref. Zhur. Khim.*, 1966, Abstr. No.
23, 229. The soln. to be analyzed has dextrin added
(10 g per litre), and is brought into the discharge
zone by burning in the discharge a filter-paper
saturated with the soln. The conditions ensuring
a const. supply of the substance to the discharge
zone are described. Iron is used as the internal
standard. To 5 ml of soln. add 5% FeSO_4 soln.
(5 ml) and water (60 ml), place in a Petrie crucible
and steep filter-papers in the mixture. The line
pairs used are—Zn 4800-5 - Fe 2787-9; Al 3082-1 -
Fe 3047-3. The analysis is carried out by the
three-standards method. The analysis of three
samples takes only 2 hr. C. D. Kovrin

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GRISHCHENKO, M.N.; GUSHCHENKO, Ye.I.

Miocene Flora in the Ergeni Formation of the Gba-Bon Lowland.
Dokl. AN SSSR 160 no.6:1365-1367 F '65.

(MIRA 18:2)

1. Voronezhskiy lesotekhnicheskii institut. Submitted August
20, 1963.

VISHNYAKOV, S.G., prof., dot. red.; GRISHCHENKO, M.N., prof., red.; DEIRIYEVSKIY, V.S., dot. red.; LARIONOV, A.K., prof., red.; FLAKSINKO, N.A., dot., red.; TOCHILIN, M.S., prof., red.; PREOBRAZHENSKAYA, V.N., dot., red.; KUCHAINOV, N.P., dot., red.

[Geology and minerals of central Chernozem provinces; transactions] Geologiya i poleznye iskopaemye tsentral'no-Chernozemnykh oblastei; trudy. Voronezh, Izd-vo Voronezhskogo univ., 1962. 334 p. (MIR 18:2)

1. Pechoblastnoye geologicheskoye issledovaniye po geologii i mineral'nym resursam tsentral'nochernozemnykh oblastey, Voronezh, 1962. 2. Voronezhskiy tekhnicheskii institut (for Grishchenko). 3. Voronezhskiy gosudarstvennyy universitet (for Preobrazhenskaya).

BASOV, Gennadiy Fedorovich, doktor tekhn. nauk [deceased]; GRISHCHENKO, Mikhail Nikolayevich, doktor geol.-miner. nauk; KOVALIN, D.T., red.; SVETLAYEVA, A.S., red. izd-va; KARLOVA, G.L., tekhn.red.

[Hydrological role of forest shelterbelts; based on the data of a study made in the Kamennaya Steppe] Gidrologicheskaya rol' lesnykh polos; po danym issledovaniy, provedennykh v Kamennoi stepi. Moskva, Goslesbunizdat, 1963. 199 p. (MIRA 17:2)

GRISHCHENKO, M.N.

Some characteristics of Quaternary sediments in Voronezh Province
and adjacent rpvines. Mat.po geol.i pol.iskop.tsentr.raion.evrop.
chasti SSSR no.5:106-112 '62. (MIRA 16:6)
(Donets Valley--Geology, Stratigraphic)
(Dnieper Valley--Geology, Stratigraphic)

GRISHCHENKO, M.N., red.; KRASOVSKAYA, S.A., red.; ADERIKHEN, P.G., red.; BARABASH-NIKIFOROV, I.I., red.; VINGRADOV, N.P., red.; IVANOV, V.A., red.; SKUF'IN, K.V., red.; SHEMYAKIN, I.Ya., red.; VOROTNIKOVA, R.V., red.; BERNGARDT, N.Ye., tekhn. red.

[Our region; articles and sketches on the nature of the native region] Nash krai; sbornik statei i ocherkov o prirode rodnogo kraia. Voronezh, Voronezhskoe knizhnoe izd-vo, 1962. 48 p. (MIRA 16:4)

1. Vserossiyskoye obshchestvo sodeystviya okhrane prirody. Voronezhskoye otdeleniye.
(Voronezh Province--Natural resources)

GRISHCHENKO, M.N.

Origin of the relief of arenaceous sediments of river terraces.
Trudy VGU 50:77-84 '59. (MIRA 13:12)
(Sand) (Terraces (Geology))

GRISHCHENKO, M.N.; GLUSHCHENKO, Ye.I.

Flora of the Kinel formations in the Zhiguli region near the Volga
River. Dokl.AN SSSR 106 no.6:1068-1071 1956. (MLRA 9:7)

1. Predstavleno akademikom V.N. Sukhachevym.
(Zhiguli Mountains--Paleobotany)

Translation from: Referativnyy zhurnal, Geologiya, 1987, Nr 5,
p 43 (USSR) 16-5746-0002

AUTHOR: Grishchenko, M. N.

TITLE: Geological Age of the Stalingrad fault (o Geologicheskom
vozraste Stalingradskogo sbrosa)

PERIODICAL: Tr. Voronezhsk. un-ta, 1955, Vol 42, Nr 4, pp 83-85.

ABSTRACT: The dark clays of the Yergeninskaya tolshcha (stratum)
deposited in quartz sands on the left bank of the Volga
are correlated, on the basis of spore-pollen analyses,
with the Varezchnikovskaya svita (series) of the right
bank of the Volga. It is doubtful if the latter consti-
tutes a part of the fault. Since the older Yergenin-
skaya stratum is involved in the fault, the time of its
formation lies at the boundary of the lower and middle
Pliocene.

Card 1/1

Tr. A. K.

GRISHCHENKO, M.N.

Structure of the Yergeni formation in the right-bank of the Volga
Valley in the Stalingrad region. Trudy VGU 42 no.4:79-81 '55.
(Stalingrad Province--Geology, Stratigraphic) (MIRA 11:6)

15-1957-3-2779

Post-Khvalynskiy Terraces on the Lower Volga (Cont.)

plain are 5 m above the level of the Volga. This is in contrast to the base of the Sarpinskaya terrace, which is below the level of the stream. The author correlates the deposits of the Sarpinskaya terrace with the second stage of Valday glaciation and with one of the latest stages of transgression of the Caspian. The deposits of terrace II correspond to the first stage of Valday glaciation and with the Nikol'skaya (second Khvalynsk) transgressiya (transgression).

B. V. R.

Card 2/2

15-1957-3-2779

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 37 (USSR)

AUTHORS: Grishchenko, M.N., Koptev, A.I.

TITLE: Post-Khvalynsk Terraces on the Lower Volga (O pos-
lekhvalynskikh terrasakh Nizhney Volgi)

PERIODICAL: Tr. Voronezhsk. un-ta, 1955, Vol 39, pp 101-106

ABSTRACT: The author shows that there is a terrace between the Khvalynsk terrace and the flood plain, in addition to the one recognized earlier (Sarpinskaya). It had not been reported previously. This terrace, which should be designated II above the flood plain, is 10 m above the Sarpinskaya terrace and only 2 m below the Khvalynsk, from which it differs little morphologically. The deposits of this terrace (sands, sandy clays, and argillaceous sands) lie with an erosional break on the chocolate-colored Khvalynsk clays and the Atel'skiye sandy clays, which occur on the Khvalynsk terrace. The floor of the deposits of terrace II above the flood

Card 1/2

15-1957-3-2753

'Data on the Stratigraphy of the Terrace Deposits of the Volga Valley
at Privolzh'ye (Cont.)

the upper part. This series is correlated with the Atel'skoye deposit of Nizovoye Privol'zhe. The upper series has a variable structure. In the section of the 18 to 20 meter terrace, it consists of chocolate-colored marine Khvalynskiy clays. In the section of the 35 meter terrace, it is represented by brown sandy clays and brownish-gray sands. Study of a number of sections has led the author to assert that the Khvalynskiy clays give way to the sandy clays and sands of the upper series of the 35 meter terrace and that these deposits are coeval and not, as was formerly thought, of different ages. The Khvalynskaya terrace corresponds in age to the Risskaya terrace of the Volga, which is adjacent to the Zandor and final moraines of the Moskovskaya (Moscovian) stage of the Dneprovskaya glaciation.

B. V. R.

Card 2/2

15-1957-3-2753
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
pp 32-33 (USSR)

AUTHOR: Grishchenko, M.N. Koptev, A.I.

TITLE: Data on the Stratigraphy of the Terrace Deposits of the
Volga Valley at Privolzh'ye (Materialy k stratigrafii
terrasovykh otlozheniy doliny Volgi u sela Privolzh'ye)

PERIODICAL: Tr. Voronezhsk. un-ta, 1955, vol 39, pp 9-15

ABSTRACT: The structure of the Khvalynskiy (18 to 20 m) and the
Risskiy (35 m) terraces in the region of Privolzh'ye
and Spasskoye is characterized by a three-fold division.
The lower and middle series of one terrace are similar
to those of the other. The lower series consists of
gray and dark-colored deposits, with irregular wedge-
outs of beds (sands, sandy clays, and clays). This se-
ries may correlate with the Hozarskiy deposits. The
middle series consists of greenish-gray, brown, and red-
brown sandy clays and sands with traces of ice wedges in

Card 1/2

GRISHCHENKO, M.N.

Short report on geological conditions of the strata of the new
paleolithic settlement in the region of Stalingrad. Biul.Kom.chetv.per.
no.18:87-89 '53. (MLRA 7:5)
(Stalingrad region--Stone age) (Stone age--Stalingrad region)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900023-6

GRISHCHENKO, N. N.

"Role of the Platform's Vegetation in the Accumulation of Organic Matter in
Marine Strata of Ciscaucasus," Dokl. AN SSSR, 86, No.1, 1952

GRISHCHENKO, M. N.

"Result of Geological Comparison of Upper Paleolithic Stands of Avdeyovo
on the Seyn and of Kostenka I (Polyakova) on the Don," Byul. Kom. chetv. per.,
No. 16, 1951

GRISHCHENKO, M. N.

24997. GRISHCHENKO, M. N. Metodika Otsenki Geomorfologicheskoy Usloviy Erozii.
Trudy Yubileyroy Sessii, Posvyashch Stoletiyu So Dnya Rozhdeniya Dokuchaeva.
M.-L., 1949, S. 399-403.

SO: Letopis', No. 33, 1949

ILLEGIBLE

GRISHCHENKO, M. N.

Ivanovo Podol'skoye, Infantry School, (-1945-)

"Results of the Estimation of Insolation of the Shore Slopes of
the Mountainous Crimea."

Iz. Ak. Nauk SSSR, Ser. Geograf. i Geofiz., No. 2, 1945

Mechanization of Blast Furnace Repair Works

00-00-00-00/10

immovable or swinging posts, 60-120 mm, 30-40 mm cranes with a lifting capacity of 25-40 tons and are successfully used. The authors then deal with the handling of fire-resistant materials and the possibilities of mechanizing the bricklayers' work by using large carbon blocks for blast furnace lining. The delivery of the blocks to the furnace is done by electrotrippers or trucks, while at the furnace, the supply is accomplished by shaft elevators or shooting cranes and roller conveyers. The article contains a table showing the economy gained by mechanizing the work and improving the technology for the reconstruction and repair of a 1,380 cubic meter furnace. There are 2 photos and 1 drawing.

AVAILABLE: Library of Congress

Card 2/2 1. Blast furnaces-Maintenance

Document 111

118-58-5-5/18

AUTHORS: Gal'perin, A.S., and Grishchenko, A.P., Engineers

TITLE: Mechanization of Blast Furnace Repair Works (Mekhanizatsiya rabot pri remontakh domennykh pechey)

PERIODICAL: Mekhanizatsiya Trudovylkikh i Rybnlykh Rabot, 1958, Nr 5, pp 16-20 (USSR)

ABSTRACT: A general repair of blast furnaces calls for extensive labor-consuming work, but the use of mechanized labor and of highly productive mechanisms enables a speedy repair. The authors describe how the accumulated cast iron is removed in a liquid state from the furnace cell while the furnace is being blown-out. The practice of the Novy-Fil'itskiy zavod (Novyy Tagil ilent), is to carry out the dismantling and lifting of the crust 2 weeks before the furnace is shut-down. The explosive method of demolishing the refractory lining, the mounting of the coolers by mechanical means, is described, as is the replacement of the charging apparatus, the dismantling of the receiving funnel and the mounting of a new set of blocks weighing 3,000 to 4,500 tons for the furnace. The dismantling and mounting work is carried out by heavy cranes,

Card 1/2

GRISHCHENKO, M.E.

L'VOVSKIY, Pavel Grigor'yevich; ~~GRISHCHENKO, M.E.~~ redaktor; KEL'NIK, V.P.,
redaktor izdatel'stva; ZEF, Ye.M., tekhnicheskij redaktor

[Principles of repairing in machine shops] Osnovy remontnogo dela v
metallurgicheskikh tsekhakh. Izd.2-oe, ispr. i dop. Sverdlovsk, Gos.
nauchno-tekhn.izd-vo lit-ry po cherno i tsvetnoi metallurgii,
Sverdlovskoe otd-nie, 1957. 535 p. (MLRA 10:8)
(Machine-shop practice--Maintenance and repair)

LUKOV'TSEV, Aleksey Alekseyevich; MURAV'YEV, K.N., inzhener, retsenzent;
KONYUKHOV, S.M., dotsent, redaktor; GRISHCHENKO, M.F., inzhener;
redaktor; DUGINA, N.A., tekhnicheskii redaktor. (MLRA 9:6)

[Assembling mechanical equipment] Montazh mekhanicheskogo oboru-
dovaniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry.
1955. 540 p. (Machinery) (MLRA 9:6)

POKHLEBAYEV, Arkadiy Pavlovich; GRISHCHENKO, M.F., redaktor; KEL'NIK, V.P.,
redaktor; KOVALENKO, N.I., tekhnicheskiiy redakto

[Organization of repair work on open hearth furnaces] Organizatsiia
remontov martenovskikh pechey. Sverdlovsk, Gos. nauchno-tekhn. izd-
vo lit-ry po cherno i tsvetnoi metallurgii, Sverdlovskoe otd-nie,
1954. 71 p. (MLRA 8:5)
(Open hearth furnaces)

LIVOVSKIY, P.G.; PAL'MOV, Ye.V., professor doktor, retsenzent; KRASNOV, K.V., inzhener, retsenzent; ZAKROCHINSKIY, S.V., inzhener, retsenzent; SHKLOVSKIY, M.B., inzhener, retsenzent; BOGACHEV, I.H., professor doktor tekhnicheskikh nauk, redaktor; AKHUN, A.I., kandidat tekhnicheskikh nauk, redaktor; BARANOV, V.M., kandidat tekhnicheskikh nauk, redaktor; RYZHIKOV, A.A., kandidat tekhnicheskikh nauk, redaktor; FILIPPOV, A.S., kandidat tekhnicheskikh nauk, redaktor; CHERNOBROVKIN, V.P., kandidat tekhnicheskikh nauk, redaktor; YAKUTOVICH, M.V., kandidat tekhnicheskikh nauk, redaktor; GRISHCHENKO, M.F., inzhener, redaktor; ZASLAVSKIY, I.A., inzhener, redaktor; KROKHOLEV, V.Z., inzhener, redaktor; SOSKIN, M.D., inzhener, redaktor.

[Manual for the mechanic in a metallurgical plant] Spravochnoe rukovodstvo mekhanika metallurgicheskogo zavoda. Izd.3., ispr.1 dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 1112 p. (MLRA 7:4)

(Mechanical engineering--Handbooks, manuals, etc.)

L 30113-65

ACCESSION NR: AT5004128

systems with continuous correction with respect to perturbations depend considerably on the perturbing action. Orig. art. has: 4 figures and 9 formulas.

ASSOCIATION: none

SUBMITTED: 24Sep64

ENCL: 00

SUB CODE: IE, DP

NO REF SOV: 014

OTHER: 001

Card 2/2

L 30113-65 EWT(d)/EWP(1) Pc-4/Pq-4/Pg-4/Pk-4/Pl-4 IJP(c) GS/BC

ACCESSION NR: AT5004138

S/0000/64/000/000/0367/0373

AUTHOR: Grishchenko, L. Z.; Zhalnina, D. F.

48
B+1

TITLE: Invariance of closed pulse automatic control systems

SOURCE: Vsesoyuznoye soveshchaniye po teorii invariantnosti i yeye primeneniyu v avtomaticheskikh sistemakh. 2d. Kiev, 1962. Teoriya invariantnosti v sistemakh avtomaticheskogo upravleniya (Theory of invariance in automatic control systems); trudy soveshchaniya. Moscow. Izd-vo Nauka, 1964, 367-373

TOPIC TAGS: automatic control system, invariance theory, servosystem, digital computer, linear differential equation, closed pulse system

ABSTRACT: The invariance of closed pulse automatic control systems (ACS) is investigated in this article. The authors commence by obtaining equations which describe the conditions of invariance of a single-circuit system of intermittent control. They then obtain a system of equations which describes the conditions of invariance of a combined system of intermittent control. The authors conclude that as a result of investigating the difference equations, the conditions of invariance of pulse ACS relative to external perturbations are found. They also point out that the conditions of invariance do not depend on the perturbing action. In addition, the conditions of invariance of combined

Cord 1/2

L 9014-65 ENT(d) IJP(c)/AFETR/AFMD(p)/ASD(a)-5/SSD/ESD(dp)/AFTC(b)/RAEM(t)/
AFWL

ACCESSION NR: AN4043054

8/0044/64/000/006/VO56/VO56

SOURCE: Ref. zh. Matematika, Abs. 64330

AUTHOR: Grishchenko, L. E.

TITLE: Conditions of invariance of discrete systems of automatic regulation

CITED SOURCE: Sb. Tekhn. kibernetika. Kiev, Gostekhnizdat USSR, 1963, 80-91

TOPIC TAGS: computer, pulse system, single-circuit system, multi-circuit system, automatic regulation, automatic regulation by deflection

TRANSLATION: The conditions of invariance are developed for single-loop and multi-loop pulse systems of automatic regulation working on the deflection principle. It is shown that in a single-circuit system conditions for invariance may be met only approximately, while in a regulatory system of 2 parameters for deflection with one pulse element absolute invariance is possible. Invariance of pulse systems is obtained by selecting corrective links. B. Bel'yanov

SUB CODE: DP

ENCL: 00

Card 1/1

The invariance of on-off automatic ... S/102/62/000/002/001/004
D201/D302

variance cannot, however, be satisfied because of the inertia of the measuring and executive elements and only the $\mathcal{E}$ -invariance in such a system may be obtained. The present work has been carried out at the laboratoriya teoreticheskikh razrabotok voprosov informatsii, upravleniya i modelirovaniya instituta avtomatiki gosplana UkrSSR (Laboratory of Theoretical Studies of Information, Control and Simulation Problems of the Automation Institute of the State Planning Board of the UkrSSR). There are 17 references: 15 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: Julius Tou, Proc IRE, v. 45, no. 9, September 1957

✓
B

SUBMITTED: February 17, 1961

Card 2/2

GRISHCHENKO, L. Z.

3A

S/102/62/000/002/001/004
D201/D302

16.4000

AUTHOR: Hryshehenko, L.Z. and Boldyreva, D.F. (Kiyev)

TITLE: The invariance of on-off automatic control systems

PERIODICAL: Avtomatika, no. 2, 1962, 3-12

TEXT: The author considers the conditions of invariance with respect to an external disturbance of a closed-loop on-off control system. Since in a general case the on-off system cannot be described by a single system of linear differential equations, the difference equations for a closed-loop are derived. Since the coefficients of obtained differential equations are very cumbersome in the case of the general type of on-off system, the conditions of invariance are derived for a system operating from the deviation of the controlled quantity, by applying to the difference equations the discrete Laplace and D-transformation. As a result the conditions for the independence of a controlled parameter on disturbance are obtained and the method is shown of determining the compensating circuits. All conditions of in-

✓
B

Card 1/2

GRISHCHENKO, L. Z.

GRISHCHENKO, L. Z. -- "Investigation of Certain Generalized (Fourier) Conversions of Functions with Integrated Square." Kiev State Pedagogical Inst imeni Gor'kiy, Chair of Mathematical Analysis, Kiev, 1956. (Dissertation for the Degree of Candidate in PHYSICOMATHEMATICAL SCIENCES)

SO: KNIZHNAYA LETOPIS' (Book Register), No. 42, October 1956, Moscow.

L 52796-65

ACCESSION NR: AF5016194

aminophenols, amines, nitroanilines, naphthols -- intensively suppressed the chemiluminescence; compounds with two substituents exhibited activities in the series: ortho-isomer > para-isomer > meta-isomer. The high sensitivity of the chemiluminescent reaction of luminol to additions of inhibitors made it possible to develop a chemiluminescent method for determining small quantities of these compounds ($1 \cdot 10^{-3}$ - $5 \cdot 10^{-8}$ M). The differences in inhibiting activity were used to develop methods of determining percent composition of mixtures for aliphatic compounds and for ortho-, meta-, and para-isomers of aromatic compounds.

ASSOCIATION: L'vovskiy tovgovo-ekonomicheskij institut (L'vov Trade-Economics Institute)

SUBMITTED: 28Jul64

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 003

OTHER: 001

JPRS

BAB
Card 2/2

L 52796-65 ENT(1) P1-4 IJP(c)

ACCESSION NR: AP5016194

UR/0079/64/034/012/4118/4118

AUTHOR: Ponomarenko, A. A.; Popov, B. I.; Amelina, L. M.; Grishchenko, L. V.;
Shindel', F. Ye.

TITLE: Inhibition of the chemiluminescence of luminol by additions of certain organic compounds and the utilization of this effect for analytical purposes

SOURCE: Zhurnal obshchey khimii, v. 34, no. 12, 1964, 4118

TOPIC TAGS: luminescence, alcohol, phenol, quantitative analysis, organic nitrogen compound

Abstract: The inhibiting action of various organic compounds on the chemiluminescent radical reaction of luminol in the system luminol - copper ammine - hydrogen peroxide was investigated, using the method of chemiluminescent quantitative analysis. The nature of the alcohols tested greatly influenced their inhibiting ability. Polyhydric and unsaturated monohydric alcohols suppressed the luminescence most actively; monosaccharides and disaccharides proved to be strong inhibitors of chemiluminescence. Aromatic compounds -- nitrophenols and dinitrophenols,

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Welding a high-strength alloy spiral turbine chamber at the
Krasnoyarsk Hydro-electric Power Station. [Trudy]LMZ no.11;
189-201 '64. (MIRA 17:12)

New Electrodes for Welding 15X2H4MDA : 15X2N4MDA Steel

3/135/61/300/363/007/014
R006/R001

offers the following strength characteristics: $\sigma_T = 50 : 60 \text{ kg/mm}^2$, $\delta = 28 : 36\%$; $a_n = 11 : 14 \text{ kg/cm}^2$. The introduction of vanadium into the wire and the coating improved the structure and raised the yield limit of the weld metal; the simultaneous reduction of the carbon and silicon content decreased its crack sensitivity. The use of EI-981/15 electrodes when welding 15X2N4MDA steel prevents the formation of cracks in the weld-adjacent zone. The static and dynamical strength of weld joints is assured by the increased strengthening of the seams. The resistance to intercrystalline corrosion in marine water was satisfactory. The electrodes are recommended for large-scale industrial use. There are 5 tables, 3 figures and 3 Soviet references.

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New Electrodes for Welding 15Kh2N4MnA (15Kh2N4MnA) Steel. S/135/61/003/003/007/014
A006/A001

metal increased the yield limit of the latter by $10 - 12 \text{ kg/mm}^2$, only slightly impairing toughness and relative elongation. Flammability tests were therefore made with EI395 wire containing 0.7 - 1% V. Crack sensitivity of the weld metal was tested by welding-up beads into grooves on a 15Kh2N4MnA steel plate, and by welding rigid specimens according to the TsNII method (Ref. 2). The silicon content in the EI395 wire was 0.5 - 1%. The tests were made to find out whether a reduced Si content could positively affect the crack sensitivity. The results showed that no cracks were revealed at 0.16% Si in the wire. Therefore further tests were made with EI395 wire containing 0.4% Si. On the basis of the investigation performed a new electrode wire 9A-981/15 (EA-981/15) was developed. Data on the composition are available at request. The coating of the new electrodes contains marble, fluorspar, manganese metal, ferro-titanium, ferrovanadium, ferrosilicon and titanium dioxide, and is mixed on water glass base, grade A GOSD 4419-46. Welds produced with the new electrode were tested as to their crack sensitivity static strength and intercrystalline corrosion. The weld metal produced is in the austenitic range of the Schaeffler diagram; the weld metal adjacent to the base metal zone is also in the austenitic range of the diagram. This meets the requirements to a sufficient austenitic reserve assuring the necessary ductile and plastic properties of the weld joint. The new electrode

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2/135/61/000/003/007/014
A000/A001

AUTHOR: Prishchenko, L. V., Engineer

TITLE: New Electrodes for Welding 15X2H1MAA (15X12N4WTA) Steel

PERIODICAL: Svarchnoye proizvodstvo, 1961, No. 3, pp. 22-26

TEXT: Considering the high requirements to 15X2H1MAA steel, presently used on large scale for welded structures, and the high alloying of the steel (mean carbon equivalent is about 1.0%), welding of this steel grade with austenitic wire was developed. Weld joints produced with austenitic electrodes show high ductility and toughness, resistance to brittle fracture and cracks, in the weld-adjacent zone. However, metals of pure austenitic structure often reduced strength properties. Therefore, in the first place, the problem was studied how to raise the strength of austenitic welds without impairing their toughness and relative elongation. Previous investigators had shown that metal can be strengthened by alloying it with elements, such as vanadium, producing a fine-dispersed hard phase (carbide) and reducing the size of crystal grains. Tests were carried out with 9H395 (E1395) wire by introducing ferrovanadium into the electrode coating. Results obtained show that the introduction of 0.1% of vanadium into the weld

Card 1/3

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Effect of atmospheric humidity and moisture contained in leaves
on the development and viability of silkworm larvae (*Bombyx mori*
L.). *Zool. zhur.* 40 no.8:1192-1204 Ag '61. (MIR. 14:5)

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Treatment of pneumonia in nursing children with oxytetrachline.
Ped., akush. i gin. 23 no.5:11-13 '61. (MIRA 14:12)

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nauk L.Ya.Davidov).

(PNEUMONIA) (OXYTETRACYCLINE--THERAPEUTIC USE)
(INFANTS (NEWBORN)--DISEASES)